

Title (en)
Air conditioning systems

Title (de)
Klimaanlagen

Title (fr)
Systèmes de conditionnement d'air

Publication
EP 1001230 A2 20000517 (EN)

Application
EP 99121394 A 19991027

Priority
JP 32390098 A 19981113

Abstract (en)
The air conditioning system 100 may include a compressor 101, a heating circuit 152, and a refrigerant releaser 181. The compressor 101 may have a suction port 115 for drawing refrigerant and a discharge port for 120 discharging compressed refrigerant. The heating circuit 152 has a passage 152a that extends from the discharge port 120 to the suction port 115 through a heat exchanger 159. The refrigerant releaser 181 may release the refrigerant from the discharge port 120 to the suction port 115 when the discharge pressure Pd of the refrigerant results a predetermined high-pressure state during the operation of the heating circuit 152. The air conditioning system 100 can solve a problem of insufficient heating performance due to releasing the refrigerant in the heating circuit into the cooling circuit to alleviate the abnormally high-pressure state during operation of the heating circuit. <IMAGE>

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